Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

ಸ.ಕಾ.ಆ/ಯ.ಉ.ವಿ.
ಎಸ್.ಬಿ.ಆರ್ ನಂ: 2016
ದಿನಾಂಕ: 15-05-2023

No. 2nd & Part bill

YNK-DBR No.....
Date..Dated.....

Division: Yelahnaka Division — Sub Division: Yelahnaka Division.
Bill Received No..... Cash Book Voucher No..... dated.....
Scheduled Docket No.....

Name of Work : Improvements to roads, drains and other developmental works at 5th phase, puttenahalli, ISAAC layout kondappa layout, kamakshamma layout, hanumappa layout, A sector and surrounding areas in ward No 02 & 04 of yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-02)

Job Code No:002-23-000003 P-3877 — **Est. cost: 1250.00 lakhs**

Name of Contractor and Full Address : SRI.Yogesha [Nandhi Construction] Mandya.

Work Order No:**BBMP/EE/YNK.D/EPMT-06/W.O/37/2022-23,** — **Dated : 05-09-22**

Certified that the measurements were taken by me on 12/4/23 and recorded in pages 586701 to 586711 of measurement Book No 5868 and that the work is satisfactorily executed.

For M/s. NANDI CONSTRUCTION
Partners

Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 12/04/2023 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Ramesan Gearek

Sub-Division Officer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Banga...

12/4/2023

If Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being.....percent Rs.....
3) Deduct amount to be held in Balance
4) Deduct Payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S D No.....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No.....
   date .....less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within value of Governme...
For Materials supplied

Gross Amt =Rs	29991000=00
FSD =Rs	—
CGST = Rs	254161=00
SGST = Rs	254161=00
IT = Rs	599820=00
LC = Rs	29991=00
CBI = Rs	29991=00
Royalty = Rs	413800=00
T.D. = Rs	1851843=00
Net Amt = Rs	2,81,39157=00

For M/s. NANDI CONSTRUCTION
Partners

Contractor's Signature

Received Rs.....(in words)
By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1.

2.

Dated.....Signature of Contractor
Partners

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

(For use in the Office)

Audited & Admitted for Rs. 29991000=00

2813915700 by Cheque

and Rs. 1851843=00 by adjusement

Accts Superintendent
yelahanka Division
BBMP

Exe. Engineer
yelahanka Division
BBMP

Executive Engineer

Initials of Officer Making Payment

Name of work: Improvements to roads, drains and other developmental works at 5th phase, puttenahalli, ISAAC layout kondappa layout, kamakshamma layout, hanumappa layout, A sector and surrounding areas in ward No 02 & 04 of yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-02)

ABSTRACT

l No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Removing and resetting of footpath slab (From Approved Arrival Rates)	sqm	1167.75	263.04	307165.00	711.98	187278.00	0.00	263.04	0.00	711.98	187278.00
2	Providing Flush/ Ruled pointing on stone slab ceiling with cement mortar 1:2 (1 cement : 2 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge.	sqm	424.80	126.48	53729.00	408.54	51673.00	0.00	126.48	0.00	408.54	51673.00
3	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) Volume-2	Cum	158.40	6068.96	961324.00	136.53	828609.00	0.00	6068.96	0.00	136.53	828609.00
4	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge.	sqm	643.80	223.86	144122.00	544.72	121942.00	0.00	223.86	0.00	544.72	121942.00
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similiar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Volume 1, Loading & Unloading Rs 118	cum	6071.24	340.27	2065862.00	5175.68	1761130.00	471.03	340.27	160277.00	5646.71	192140700
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates	Cum	1336.03	6438.34	8601837.00	801.77	5162080.00	349.93	6438.34	2252966.00	1151.70	741504600
7	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete(Excluding GST and Area leading charges)	Nos	8253.11	515.91	4257863.00	6980.00	3601052.00	987.00	515.91	509204.00	7967.00	411025600
8	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	1485.56	95.14	141337.00	451.64	42970.00	982.34	95.14	93460.00	1433.98	136430.00
9	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.	Tonn	91.77	115658.37	10613969.00	80.80	9345277.00	7.08	115658.37	818540.00	87.88	10163817.00
10	Appendix I – Additionalities for Formwork, Centering & Scaffolding Steel Channels for Road works-5% (Percentage on finished rate of concrete per m3) Culverts (Head walls)-8%(Percentage on finished rate of concrete per m3)Steel Channels for Road works	Cum	1167.50	350.12	408766.00	1167.50	408766.00	0.00	350.12	0.00	1167.50	408766.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
		Cum	241.28	560.20	135166.00	95.23	53346.00	0.00	560.20	0.00	95.23	53346.00
11	Culverts (Head walls)											
12	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing	Cum	1499.15	7002.48	10497771.00	1374.41	9624300.00	124.74	7002.48	873472.00	1499.15	10497772.00
13	Providing and fixing 100 mm thick Pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers complete as per specifications.(Data Rate Aproved)	Sqm	4083.09	2108.39	8608745.00	3555.53	7496442.00	527.56	2108.39	1112303.00	4083.09	8608745.00
14	Providing and fixing 230 mm thick Pre cast RCC covering slab using reinforced cement concrete M 25 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers complete as per specifications.(Data Rate Aproved)	Sqm	533.43	5125.47	2734080.00	221.39	1134703.00	0.00	5125.47	0.00	221.39	1134703.00
15	Providing and fixing 150 mm thick Pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers complete as per specifications.(Data Rate Aproved)	Sqm	80.10	2607.00	208821.00	39.06	101830.00	0.00	2607.00	0.00	39.06	101830.00
16	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications. Volume-2	Sqm	1081.32	1216.70	1315643.00	824.48	1003148.00	0.00	1216.70	0.00	824.48	1003148.00
17	Providing and laying flooring with burnt stone slabs 10 cms thick rough chistle dressed on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3, , including cost of materials, mortar, labour, curing complete as per specifications.	Sqm	265.50	1084.62	287967.00	261.00	283086.00	0.00	1084.62	0.00	261.00	283086.00
18	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications. Volume-2	Sqm	2608.40	1281.62	3342978.00	0.00	0.00	1745.79	1281.62	2237435.00	1745.79	2237435.00
19	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead	Sqm	2109.54	4.48	9451.00	0.00	0.00	0.00	4.48	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
20	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work.	Cum	6237.29	72.76	453826.00	4565.81	332209.00	1671.48	72.76	121617.00	6237.29	453826.00
21	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 (v) For Grading -V Material	Cum	2094.54	2627.05	5502462.00	1332.38	3500221.00	563.77	2627.05	1481062.00	1896.15	4981283.00
22	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.	Cum	1040.36	2679.66	2787812.00	723.11	1937691.00	317.25	2679.66	850121.00	1040.36	2787812.00
23	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. Volume-3	Sqm	5938.29	49.25	292461.00	3846.97	189464.00	1586.25	49.25	78123.00	5433.22	267587.00
24	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.	cum	450.63	11068.97	4987955.00	356.79	3949337.00	93.83	11068.97	1038619.00	450.63	4987956.00
	Above 125%	cum	43.51	11068.97	481588.00	0.00	0.00	43.51	11068.97	481588.00	43.51	481588.00
25	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom Volume-3	Sqm	10798.83	13.43	145029.00	8639.07	116023.00	2159.77	13.43	29006.00	10798.83	145029.00
	Above 125%	Sqm	6354.63	13.43	85343.00	0.00	0.00	6354.63	13.43	85343.00	6354.63	85343.00
26	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects Volume-3	cum	431.95	12906.90	5575178.00	345.56	4460142.00	86.39	12906.90	1115036.00	431.95	5575178.00
	Above 125%	cum	254.19	12906.90	3280742.00	0.00	0.00	254.19	12906.90	3280742.00	254.19	3280742.00
27	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. Volume-3	Sqm	314.68	535.04	168364.00	35.32	18898.00	279.36	535.04	149467.00	314.68	168365.00
	Above 125%	Sqm	422.50	535.04	226056.00	0.00	0.00	422.50	535.04	226056.00	422.50	226056.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
28	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 Using 40 mm nominal size graded crushed coarse aggregates	cum	1416.63	5569.74	7890261.00	954.63	5317050.00	325.84	5569.74	1814824.00	1280.47	71318740
29	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete, as per the directions of the Engineer-in-charge of the work.	cum	1492.01	7652.80	11418055.00	627.80	4804419.00	653.84	7652.80	5003732.00	1281.64	980815100
30	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	T.Km	15408.61	107.45	1655656.00	6803.65	731053.00	8407.86	107.45	903425.00	15211.52	163447800
31	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead Prestressed / Reinforced cement concrete grade M-20 &	Cum	159.60	2152.94	343610.00	0.00	0.00	0.00	2152.94	0.00	0.00	0.00
32	Dismantling Brick / Tile work / rubble masonry / pitching / etc by mechanical	Cum	58.80	229.95	13522.00	0.00	0.00	0.00	229.95	0.00	0.00	0.00
33	Dismantling Stone Masonry	Cum	24.30	229.95	5588.00	0.00	0.00	0.00	229.95	0.00	0.00	0.00
34	Earth work excavation for FOUNDATION by Mechanical means depth upto 1.50m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including cost of explosives, dressing of excavated surfaces, disposing off or levelling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, blasting materials, tools, usage of Machinery & all other appurtenaces required to complete the work	Cum	476.37	597.09	284436.00	0.00	0.00	0.00	597.09	0.00	0.00	0.00
35	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work Depth exceeding 1.5 m, but not exceeding 3 Volume -1	Cum	209.80	437.02	91689.00	0.00	0.00	0.00	437.02	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
36	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits with Chlorpyriphos 20% E.C. / Lindane 20% E.C. @ 3.19 l/m2 including cost of chemical, diluting in water to one percent concentration, labour, usage charges of machinery, complete as per	Sqm	444.66	106.34	47285.00	0.00	0.00	0.00	106.34	0.00	0.00	0.00
37	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20	Cum	81.34	7034.94	572253.00	0.00	0.00	0.00	7034.94	0.00	0.00	0.00
38	First Floor	Cum	6.48	7105.29	46043.00	0.00	0.00	0.00	7105.29	0.00	0.00	0.00
39	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) 2.5.1 M20 Design Mix Using 20 mm nominal size	Cum	149.45	7243.13	1082489.00	0.00	0.00	0.00	7243.13	0.00	0.00	0.00
40	First Floor	Cum	74.15	7315.56	542436.00	0.00	0.00	0.00	7315.56	0.00	0.00	0.00
41	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed	Cum	44.20	6633.10	293153.00	0.00	0.00	0.00	6633.10	0.00	0.00	0.00
42	Appendix I – Additionalities for Formwork, Centering & Scaffolding a. Isolated 8%	Cum	162.55	619.08	100632.00	0.00	0.00	0.00	619.08	0.00	0.00	0.00
43	Appendix I – Additionalities for Formwork, Centering & Scaffolding . Columns &	Sqm	318.89	773.84	246770.00	0.00	0.00	0.00	773.84	0.00	0.00	0.00
44	Appendix I – Additionalities for Formwork, Centering & Scaffolding .Roof (Straight & Arched) 20%	Sqm	805.88	1593.49	1284160.00	0.00	0.00	0.00	1593.49	0.00	0.00	0.00
45	Appendix I – Additionalities for Formwork, Centering & Scaffolding .Beams & Lintels of Building	Sqm	491.32	1593.49	782914.00	0.00	0.00	0.00	1593.49	0.00	0.00	0.00
46	Lift Charges for FF	sqm	173.64	1609.42	279460.00	0.00	0.00	0.00	1609.42	0.00	0.00	0.00
47	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	86.73	6068.96	526383.00	0.00	0.00	0.00	6068.96	0.00	0.00	0.00
48	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m	Cum	686.17	228.34	156681.00	0.00	0.00	0.00	228.34	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
49	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) Issue Rate (Kg 106.00 to 106000.00Tn)	Tn	33.63	118648.08	3989907.00	0.00	0.00	0.00	118648.08	0.00	0.00	0.00
50	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	726.19	1345.42	977031.00	43.20	58123.00	0.00	1345.42	0.00	43.20	58123.00
51	Lift charges for FF	SQm	288.89	1358.88	392563.00	0.00	0.00	0.00	1358.88	0.00	0.00	0.00
52	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per	Sqm	78.02	1058.88	82614.00	0.00	0.00	0.00	1058.88	0.00	0.00	0.00
53	Lift charges for FF	sqm	27.25	1067.95	29102.00	0.00	0.00	0.00	1067.95	0.00	0.00	0.00
54	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment	Sqm	601.90	833.89	501920.00	0.00	0.00	0.00	833.89	0.00	0.00	0.00
55	Providing and laying cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications.	Cum	28.85	2257.67	65124.00	0.00	0.00	0.00	2257.67	0.00	0.00	0.00
56	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.	Cum	1.70	101178.83	172005.00	0.00	0.00	0.00	101178.83	0.00	0.00	0.00
57	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.	Nos	17.00	1662.19	28258.00	0.00	0.00	0.00	1662.19	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
58	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification. 30 mm thick both side commercial	Sqm	41.94	2952.77	123840.00	0.00	0.00	0.00	2952.77	0.00	0.00	0.00
59	Providing & fixing of 2-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TIO2(Titanium Dioxide) at 6 PHR with TPE (Thermo Plastic Elastomer) and lead free, gaskets -grey color having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 44mm width x 40mmheight with reinforcement of 1mm thickness and Sash with overall size of 27mm X 53mm with UPVC honeycomb structure inside in lieu of GI reinforcement. Coextruded Glazing bead for fixing of glass shall be of size 9.5mm x 21.5mm. Windows shall be provided with 5mm plain float glass, standard hardware& single point locking system with Crescent Locks. Wall thickness of frame & sash shall be of 2 mm Maximum possible size – 1219mm x	Sqm	62.24	4604.89	286609.00	0.00	0.00	0.00	4604.89	0.00	0.00	0.00
60	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	Kg	1256.28	146.63	184209.00	0.00	0.00	0.00	146.63	0.00	0.00	0.00
61	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed including cost of materials, mortar, labour, curing complete as per specifications.	Sqm	406.58	2687.49	1092680.00	0.00	0.00	0.00	2687.49	0.00	0.00	0.00
62	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge : ** Flamed finish granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or	Sqm	30.89	2125.59	65660.00	0.00	0.00	0.00	2125.59	0.00	0.00	0.00
63	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.	Sqm	35.00	3439.67	120389.00	0.00	0.00	0.00	3439.67	0.00	0.00	0.00
64	Providing and fixing 20mm thick gang saw water cut Lakared granite for cladding in CM 1:3 (1 cement : 3 coarse sand) proportion with a coat of rough plastering using CM 1:4 (1 cement : 4 fine sand), cut to required shape, pattern with paper joints, finished with cement mortarusing white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, mortar, labour for all items of work, usage charges of machinery etc., complete as per specification.	Sqm	36.80	3931.06	144664.00	0.00	0.00	0.00	3931.06	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
65	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete	Sqm	64.10	865.24	55463.00	0.00	0.00	0.00	865.24	0.00	0.00	0.00
66	Providing skirting, dadooing, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.	Sqm	147.50	2197.23	324101.00	0.00	0.00	0.00	2197.23	0.00	0.00	0.00
67	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster with cement mortar 1:6 (1 cement : 6 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	1258.48	350.35	440910.00	0.00	0.00	0.00	350.35	0.00	0.00	0.00
68	Ground Floor	SQm	859.33	362.56	311558.00	0.00	0.00	0.00	362.56	0.00	0.00	0.00
69	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	636.92	283.19	180370.00	0.00	0.00	0.00	283.19	0.00	0.00	0.00
70	First Floor	Sqm	11.52	286.02	3295.00	0.00	0.00	0.00	286.02	0.00	0.00	0.00
71	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.	Sqm	1872.00	92.90	173909.00	0.00	0.00	0.00	92.90	0.00	0.00	0.00
72	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	1872.00	106.34	199069.00	0.00	0.00	0.00	106.34	0.00	0.00	0.00
73	Providing White washing with lime to give an even shade :New work (three coats) with lime of approved quality, including cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	859.33	21.27	18278.00	0.00	0.00	0.00	21.27	0.00	0.00	0.00
74	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m^2 over and including priming coat of exterior primer applied @ 2.20 kg/10 m^2) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	859.33	152.23	130816.00	0.00	0.00	0.00	152.23	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
75	Finishing walls with textured exterior paint of required shade :New work (Two coats applied @ 3.28 ltr/10 m²) over and including priming coat of exterior primer applied @ 2.20kg/10 m² to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	859.33	232.82	200069.00	0.00	0.00	0.00	232.82	0.00	0.00	0.00
76	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	78.20	145.51	11379.00	0.00	0.00	0.00	145.51	0.00	0.00	0.00
77	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, I/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts,	Kg	511.40	559.66	286211.00	0.00	0.00	0.00	559.66	0.00	0.00	0.00
78	Lift Charges for FF		120.96	565.26	68374.00	0.00	0.00	0.00	565.26	0.00	0.00	0.00
79	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72*72*4.8mm Sq. GI Pipe frame with top pipe bending in heavy duty hydraolic press with sand packing and hot bending to form double arch as per drawing profile,20mm hot dip galvanised sq.rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq.rods and heads at top,middle and bottom. Intermediate supports of 75*12mm and 50*6mm arch bent to hot .dip galvanised flats.the work is inclusive of throughing GI.flat GIsq.rods placing,welding all the joints including grinding,finishing metal patty,painting wo coats enamel painting.The rate is inclusive of all materials like GI sq.pipe,GI.Sq.rods,GI forged designs etc., heavy duty hinges are made out of 75mm solid sq.block assembled with 20mm dia bearing in the three places for each flop. Heavy duty locking arrangements at low places including cost of labou,pailnting,erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading,scaffolding charges and all other incidental charges for sucessful completion of thework as per directions of the Engineer-in-charge of the work.	Sqm	7.92	21725.01	172063.00	0.00	0.00	0.00	21725.01	0.00	0.00	0.00
80	Aluminium handles - 15mm	Each	65.00	60.36	3924.00	0.00	0.00	0.00	60.36	0.00	0.00	0.00
81	Anodised Aluminium butt hinges 100x75x4 mm	10 nos	80.00	399.90	31992.00	0.00	0.00	0.00	399.90	0.00	0.00	0.00
82	Door lock	Each	40.00	353.56	14143.00	0.00	0.00	0.00	353.56	0.00	0.00	0.00
83	Handles power coated 150 mm	Each	45.00	51.74	2329.00	0.00	0.00	0.00	51.74	0.00	0.00	0.00
84	Hinges 5" heavy duty	Each	60.00	31.91	1915.00	0.00	0.00	0.00	31.91	0.00	0.00	0.00
85	Locking arrangments	Each	40.00	560.53	22422.00	0.00	0.00	0.00	560.53	0.00	0.00	0.00
86	Nail and screws	Kg	200.00	46.56	9312.00	0.00	0.00	0.00	46.56	0.00	0.00	0.00
87	Tower bolt 300 mm long	Each	60.00	59.02	3542.00	0.00	0.00	0.00	59.02	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
88	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	Each	14.00	5602.20	78431.00	0.00	0.00	0.00	5602.20	0.00	0.00	0.00
89	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 600x450x200 mm	Each	10.00	5198.13	51982.00	0.00	0.00	0.00	5198.13	0.00	0.00	0.00
90	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	Each	14.00	7418.86	103865.00	0.00	0.00	0.00	7418.86	0.00	0.00	0.00
91	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, l/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 20mm nominal dia pipes	m	380.00	417.51	158654.00	0.00	0.00	0.00	417.51	0.00	0.00	0.00
92	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, l/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 25mm nominal dia pipes	m	366.00	532.80	195005.00	0.00	0.00	0.00	532.80	0.00	0.00	0.00
93	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, l/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 32mm nominal dia pipes	m	330.00	622.34	205373.00	0.00	0.00	0.00	622.34	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
94	Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. for:PVC pipes 110mm dia., 6 kg/sqcm & class 3	m	255.00	441.01	112458.00	0.00	0.00	0.00	441.01	0.00	0.00	0.00
95	Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 :1996 with manhole lid and suitable locking\ arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per spedfications	Ltr	5500.00	8.95	49225.00	0.00	0.00	0.00	8.95	0.00	0.00	0.00
96	Submersible Single Phase 3.00 HP - 90 LPM @ 66 m = 6 STG Outlet Dia - 2.00" Vol t5 UGD works	Each	2.00	32003.44	64007.00	0.00	0.00	0.00	32003.44	0.00	0.00	0.00
97	Providing and fixing gun metal non- return valve of approved quality (screwed end) :	Nos	18.00	618.98	11142.00	0.00	0.00	0.00	618.98	0.00	0.00	0.00
98	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :	Each	18.00	402.96	7254.00	0.00	0.00	0.00	402.96	0.00	0.00	0.00
99	PTMT pillar cock (fancy) 15 mm foam flow.	Each	18.00	139.92	2519.00	0.00	0.00	0.00	139.92	0.00	0.00	0.00
100	Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms	Each	28.00	273.11	7648.00	0.00	0.00	0.00	273.11	0.00	0.00	0.00
101	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.19/20mm dia 2mm thick	Mtr	550.00	68.28	37554.00	0.00	0.00	0.00	68.28	0.00	0.00	0.00
102	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.a)25mm dia 2 mm thick	Mtr	550.00	78.35	43093.00	0.00	0.00	0.00	78.35	0.00	0.00	0.00
103	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.19/20mm dia 2mm thick	Mtr	550.00	83.95	46173.00	0.00	0.00	0.00	83.95	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
104	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2.mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.a)25mm dia 2 mm thick	Mtr	510.00	89.55	45671.00	0.00	0.00	0.00	89.55	0.00	0.00	0.00
105	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 32mm dia 2.5mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.32mm dia 2.5 mm thick	Mtr	80.00	117.53	9403.00	0.00	0.00	0.00	117.53	0.00	0.00	0.00
106	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of Group-A 1.0 Sqm	Mtr	1100.00	20.15	22165.00	0.00	0.00	0.00	20.15	0.00	0.00	0.00
107	1.5 Sqm	Mtr	990.00	29.10	28809.00	0.00	0.00	0.00	29.10	0.00	0.00	0.00
108	2.5 Sqm	Mtr	700.00	44.77	31339.00	0.00	0.00	0.00	44.77	0.00	0.00	0.00
109	4.0 Sqm	Mtr	630.00	66.04	41606.00	0.00	0.00	0.00	66.04	0.00	0.00	0.00
110	10.0 Sqm	Mtr	430.00	175.73	75564.00	0.00	0.00	0.00	175.73	0.00	0.00	0.00
111	Point wiring using Copper wire without switch.Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose lenght in a wood/PVC round block. complete for each outlet.(5/2.3) Using class A materials Short point up to 3mtrs from tapping point	Point	72.00	255.41	18390.00	0.00	0.00	0.00	255.41	0.00	0.00	0.00
112	Medium point a above 3mtr up to 6mtr from tapping point to out let via switch	Point	72.00	367.34	26449.00	0.00	0.00	0.00	367.34	0.00	0.00	0.00
113	Long point a above 6mtr up to 10mtr from tapping point to out let via switch	Point	48.00	551.52	26473.00	0.00	0.00	0.00	551.52	0.00	0.00	0.00
114	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.5-32Amps DP 6-32Amps SP	Each	27.00	585.41	15807.00	0.00	0.00	0.00	585.41	0.00	0.00	0.00
115	6-32 Amps DP	Each	25.00	1234.61	30866.00	0.00	0.00	0.00	1234.61	0.00	0.00	0.00
116	40 Amps TPN	Each	21.00	2678.54	56250.00	0.00	0.00	0.00	2678.54	0.00	0.00	0.00
117	50-63 Amps SP	Each	23.00	821.58	18897.00	0.00	0.00	0.00	821.58	0.00	0.00	0.00
118	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure,III-Single Door.Group A12Way SP &N	Each	12.00	1780.84	21371.00	0.00	0.00	0.00	1780.84	0.00	0.00	0.00
119	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using required clamps, bolts, nuts etc. with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with power coated painting etc., complete: Double door: 6 way TP &N , Group (A)	Each	12.00	4180.67	50169.00	0.00	0.00	0.00	4180.67	0.00	0.00	0.00
120	Supplying and fixing 32Amps security and energy saving DP switch with key tag suitable to operate on 230 Volts, 50Hz AC supply & completely wired on existing box.	Each	37.00	836.13	30937.00	0.00	0.00	0.00	836.13	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
121	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.	Each	70.00	170.14	11910.00	0.00	0.00	0.00	170.14	0.00	0.00	0.0
122	Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes : Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes, Class H Insulated copper wire, Vacuum impregnated high quality with Low loss silicon steel lamination operated on 240V,50Hz supply with IEC 60920 (Safety) & IEC 60921(Performance). Operating voltage range from 180V to 265V, 50Hz AC power Supply.	Each	38.00	335.80	12761.00	0.00	0.00	0.00	335.80	0.00	0.00	0.0
123	Supply and fixing metal fan box with round hook	Nos	48.00	182.45	8758.00	0.00	0.00	0.00	182.45	0.00	0.00	0.0
124	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate.. Is 3854 and IS 1293. (16/3.7) 6Amps SP Switch	Each	88.00	98.50	8668.00	0.00	0.00	0.00	98.50	0.00	0.00	0.0
125	6Amps 3way 5 pin socket	Each	28.00	181.33	5078.00	0.00	0.00	0.00	181.33	0.00	0.00	0.0
126	16Amps SP Switch	Each	18.00	278.71	5017.00	0.00	0.00	0.00	278.71	0.00	0.00	0.0
127	16Amps 3way 5 pin Socket	Each	18.00	278.71	5017.00	0.00	0.00	0.00	278.71	0.00	0.00	0.0
128	32Amps Flush/projected types DP switch	Each	18.00	419.75	7556.00	0.00	0.00	0.00	419.75	0.00	0.00	0.0
129	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way	Each	45.00	125.16	5633.00	0.00	0.00	0.00	125.16	0.00	0.00	0.0
130	4-5Way	Each	45.00	140.42	6319.00	0.00	0.00	0.00	140.42	0.00	0.00	0.0
131	6Way	Each	35.00	215.72	7551.00	0.00	0.00	0.00	215.72	0.00	0.00	0.0
132	8Way	Each	35.00	254.39	8904.00	0.00	0.00	0.00	254.39	0.00	0.00	0.0
133	10-12Way	Each	20.00	330.71	6615.00	0.00	0.00	0.00	330.71	0.00	0.00	0.0
134	16Way	Each	12.00	360.22	4323.00	0.00	0.00	0.00	360.22	0.00	0.00	0.0
135	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, b olts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module	Each	45.00	170.14	7657.00	0.00	0.00	0.00	170.14	0.00	0.00	0.0
136	4Moudule	Each	45.00	195.88	8815.00	0.00	0.00	0.00	195.88	0.00	0.00	0.0
137	6Moudule	Each	35.00	173.11	6059.00	0.00	0.00	0.00	173.11	0.00	0.00	0.0
138	8Moudule	Each	35.00	338.04	11832.00	0.00	0.00	0.00	338.04	0.00	0.00	0.0
139	10Moudule	Each	10.00	406.31	4064.00	0.00	0.00	0.00	406.31	0.00	0.00	0.0
140	12Moudule	Each	18.00	406.31	7314.00	0.00	0.00	0.00	406.31	0.00	0.00	0.0
141	Supplying and fixing PVC/metal conduit accessories.(2/1.5) 19/20mm junction box	Each	18.00	54.85	988.00	0.00	0.00	0.00	54.85	0.00	0.00	0.0
142	Supplying capacitor type celling fan complete with down rod blades, shackle, canopies for operation on 230 Volts, 50 Cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system.(84/9.3)56" Sweep (1400mm) Regular model	Each	16.00	2428.93	38863.00	0.00	0.00	0.00	2428.93	0.00	0.00	0.0
143	Supplying and fixing of class A (medium duty)GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arraingements for UG cable of 1.1KV class.40mm	mtr	55.00	374.97	20624.00	0.00	0.00	0.00	374.97	0.00	0.00	0.0
144	Spplying, fixing ,wiring, earth electrode for grounding conduits, I C cutouts and other equipments on the meter board using 40mm dia 2.9mm thick GI pipe 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connectionh from the pipe to the conduit etc, is to be established through GI wire of size as per ISI Specification 7.3.3. of IS 732 using 12mm dia bolts, nuts,wahers anfd check nuts etc,the pipe shall have 16 through hole of 122 mm dia(68/1)	Nos	22.00	3357.63	73868.00	0.00	0.00	0.00	3357.63	0.00	0.00	0.0

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
145	Suppling and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas / spacers. GI Wire c) 8SWG	PerMtr	540.00	21.28	11492.00	0.00	0.00	0.00	21.28	0.00	0.00	0.00
146	Suppiying tinned copper lugs crimping and wiring to terminal point for wire of the following sizes.2.5sqmm.	Each	650.00	4.48	2912.00	0.00	0.00	0.00	4.48	0.00	0.00	0.00
147	Supplying tinned copper lugs crimping and wiring to terminal point for wire of the following sizes.-35Sqmm Long Barrel	Each	100.00	36.00	3600.00	0.00	0.00	0.00	36.00	0.00	0.00	0.00
148	Supplying and fixing of Electronic Ballast suitable for T8 Lamp with housing made of Pre-coated steel/PC, Operating voltage range from 180V to 265V, 50Hz AC power Supply flicker free warm start with over voltage protection, Inrush current protection, De-activated lamp protection & End of Lamp life protection with PF> 0.95 & TC(deg C) > 65 degC. Operating voltage range from 180V to 265V, 50Hz AC power Supply.	Each	45.00	878.86	39549.00	0.00	0.00	0.00	878.86	0.00	0.00	0.00
149	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 14.7.1 On wall / ceiling / Rafter / Girders	Each	52.00	133.22	6928.00	0.00	0.00	0.00	133.22	0.00	0.00	0.00
E1	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work. (PWD SR 2021-22 Vol I Pg no 7 Item No 1.8)	Cum	1370.40	449.81	616414.00			1370.40	449.81	616414.00	1370.40	616414.00
E2	Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing completeas per specification.	Sqm	66.00	1274.45	84114.00			66.00	1274.45	84114.00	66.00	84114.00
	Total						**66622262.00**	**SUB TOTAL**		**25416946.00**		**9203920800**
	GST 12%						**11992007.16**	**GST 18%**		**4575050.28**		**1656705744**
	Grand Total						**78614269.16**	**GRAND TOTAL**		**29991996.28**		**108606261.44**

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

For M/s. NANDI CONSTRUCTION

Contractor
Partners

NEWZEN CONSULTANT ★ Bangalore ★ Consultants

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP)
Yelahanka, Bangalore